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Expert Article: Metallic Raw Materials and the Circular Economy

Captions

(Mercedes-Benz uses sustainable materials)

Mercedes Benz has declared sustainability to be a business model. The car manufacturer's models increasingly use climate-friendly materials in cycles.

Image: Mercedes Benz



(Bild bmw-group-invests)

Like Volkswagen, Mercedes Benz and other car manufacturers, BMW is also focusing on circular economy and climate neutrality. In addition to recycled aluminium, climate-neutral steel is also moving into focus. The Munich carmaker wants to cover more than 40 per cent of its steel requirements from low-CO2 production by 2030. This should reduce greenhouse gas emissions by up to 400,000 tonnes of carbon dioxide annually.

Image: BMW Group



(Apple-Green-Bonds-innovative-technology-hero)

The circular economy and climate neutrality are also on Apple's agenda. Investments from green bonds are intended to drive the development of new low-carbon production and recycling technologies. As part of these activities, Apple buys carbon-free aluminium from the manufacturer Elysis. Image: Apple

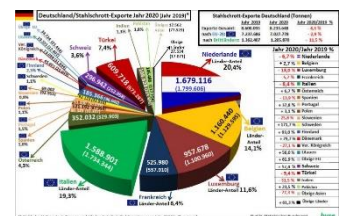


Graphics

(Stahlschrott-Exporte)

A sought-after commodity: steel scrap. Secondary raw materials are increasingly replacing raw materials that are costly to extract and energy-intensive to process. The picture shows German steel scrap exports in 2020.

Image: BVSE



(Bild EU-Wirtschaftssanktionen gegen Russland)

EU economic sanctions against Russia: The sanctions only affect the metal raw materials sector very selectively.

Image: EU

→ Rohstoffe und andere Güter

Verbot der Ausfuhr nach Russland von

Luonggütern



Verbot der Einfuhr aus Russland von

Stahl und Stahlzeugnissen, Eisen, Holz, Zement, Papier und Kunststoff



Meeressüßchen, alkoholischen Getränken, Zigaretten und Kosmetika



Gold und Schmuck

(Bild GTAI Metalle Russland)

Russia's world market share in metals, rare earths and industrial raw materials.

Image: GTAI



(Bild IW Köln)

Germany's dependence on China for trade in raw materials.

Image: IW Cologne

